

**Tune diagrams** for U28+ at nominal fast extraction parameters (0.3 max. SC tune shift)

- Simulated 160k turns
- Fixed frozen SC
- Black contour represents low-loss area with <5% particles lost during 160k turns</li>
  Resonance lines without intensity effects:
- Grey random
- Red systematic
- Solid upright/normal
  Dashed skew

## Result:

- Large low-loss areas close to designated fast and slow extraction WP
- Further large low-loss areas around
  (16.15, 16.25)
  (20.15, 20.30)

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